


Anti-GALNT1 antibody ab109918

★★★★☆ [1 Abreviews](#) [1 References](#) [1 图像](#)

概述

产品名称	Anti-GALNT1抗体
描述	兔多克隆抗体to GALNT1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Rabbit, Chicken, Dog, Pig, Chimpanzee, Macaque monkey, Gorilla, Chinese hamster 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	This antibody gave a positive signal in both Human Kidney and Lung tissue lysates.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Immunogen affinity purified
克隆	多克隆

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

同种型

IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab109918 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (1)	1/250. Detects a band of approximately 59 kDa (predicted molecular weight: 64 kDa).

靶标

功能

Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b and Muc7.

组织特异性

Widely expressed. Expressed in all tissues tested.

通路

Protein modification; protein glycosylation.

序列相似性

Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily.
Contains 1 ricin B-type lectin domain.

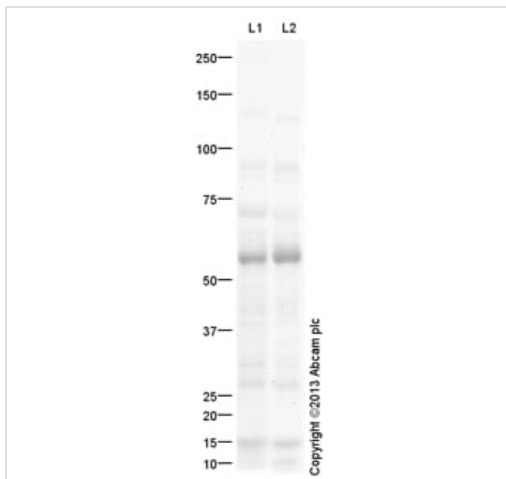
结构域

There are two conserved domains in the glycosyltransferase region: the N-terminal domain (domain A, also called GT1 motif), which is probably involved in manganese coordination and substrate binding and the C-terminal domain (domain B, also called Gal/GalNAc-T motif), which is probably involved in catalytic reaction and UDP-Gal binding.
The ricin B-type lectin domain directs the glycopeptide specificity. It is required in the glycopeptide specificity of enzyme activity but not for activity with naked peptide substrates, suggesting that it triggers the catalytic domain to act on GalNAc-glycopeptide substrates.

细胞定位

Secreted and Golgi apparatus > Golgi stack membrane.

图片



Western blot - Anti-GALNT1 antibody (ab109918)

All lanes : Anti-GALNT1 antibody (ab109918) at 1/250 dilution

Lane 1 : Human kidney tissue lysate - total protein (**ab30203**)

Lane 2 : Lung (Human) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 64 kDa

Exposure time: 20 minutes

We hypothesize that the band observed at 59 kDa represents the soluble form of GALNT1 due to the presence of a 40 amino acid signal peptide. This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab109918 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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